

Hop It Out

Lesson Overview: Students practice basic math by giving answers to math equations by hopping in place the correct answer.

Grade Level: K-5th

Lesson Time: 5-10 minutes

Prior Knowledge: Basic math appropriate for grade level

Content Integration:

- Math
- Physical Education

Corresponding Standards:

Common Core State Standards for Mathematics

- Operations and Algebraic Thinking
 - Represent addition and subtraction with objects, fingers, mental images, drawings, sounds (e.g. claps), acting out situations, verbal explanations, expressions, or equations.
 - Represent and solve problems involving addition and subtraction.
 - Understand and apply properties of operations and the relationship between addition and subtraction.
 - Add and subtract within 20.
 - Work with addition and subtraction equations.
 - Represent and solve problems involving multiplication and division
 - Multiply and divide within 100.
 - Use the four operations with whole numbers to solve problems.

Lesson Objective:

Teacher gives a math equation. The students give the answer by hopping in place the correct answer.

Lesson Description:

1. **Lead-in:** Teacher explains that she will give a math equation. The students give the answer by hopping in place the correct answer.
2. **Step by Step:** Teacher gives a math equation. The students give the answer by hopping in place the correct answer. For example: The teacher says $3 + 6$. The students hop nine times in place. After the students have hopped their answer the teacher verifies answer.
3. **Closure:** Review mathematic concepts as needed. Discuss benefits of physical activity.
4. **Extension or Next Step:** Can do pushups, curlups, jumping jacks, or other movement instead of hopping.

Differentiation:

- Advanced: Math problems can be addition, subtraction, multiplication or division, depending on age.
- Struggling: Can allow the use of manipulations or paper and pencil.